



Catawba County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	Not Tested	0	0	0	0.05	µg/L	0	Not Tested		
1,2-Dichloropropane	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Arsenic	512	0.5	133	2.2	10	µg/L	10	1.95%		
Barium	137	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	137	0.5	5	0.5	5	µg/L	0	0.00%		
Chromium	137	5	96,220.00	713.60	100	µg/L	1	0.73%		
cis-1,2-Dichloroethene (c-DCE)	7	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	511	25	20,810.00	123.50	1,300*	µg/L	6	1.17%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	3,063	100	75,000.00	443.30	4,000*	µg/L	5	0.16%		
Iron	507	25	373,300.00	1,606.00	300*	µg/L	119	23.47%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	541	2.5	1,071.00	7.70	15	µg/L	12	2.22%		
Magnesium	511	50	50	50	No drinking water standard	µg/L				
Manganese	513	15	2,730.00	42.60	50*	µg/L	91	17.74%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	132	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	7	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	80	500	13,570.00	1,249.80	10,000	µg/L	0	0.00%		
Nitrite	92	50	50	50	1,000	µg/L	0	0.00%		
pH	513	5.2	9.8	7.00	6.5-8.5*	standard units	11	2.14%	103	20.08%
Selenium	136	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	137	25	25	25	100*	µg/L	0	0.00%		
Sodium	119	500	190,000.00	32,630.30	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	7	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	Not Tested	0	0	0	1,000	µg/L	0	Not Tested		
trans-1,2-Dichloroethene (t-DCE)	7	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	7	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	7	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	Not Tested	0	0	0	10,000	µg/L	0	Not Tested		
Zinc	505	25	23,000.00	413.60	5,000*	µg/L	9	1.78%		

* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.⁸ The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.⁸

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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